

## UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. 09/335.618 06/18/99 BRAND J MIO-051-PA **EXAMINER** MMC1/0927 KILLWORTH GOTTMAN HAGAN & SCHAEFF LLP CHAMBLISS, A ONE DAYTON CENTRE **ART UNIT** PAPER NUMBER ONE SOUTH MAIN STREET SUITE 500 DAYTON OH 45402-2023 2814

Please find below and/or attached an Office communication concerning this application or

DATE MAILED:

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09/27/00

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proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be swalible under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above, it is main thirtly (30) days a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  Full or period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  Responsive to communication(s) filed on 18 June 1999.  2a) Responsive to communication(s) filed on 18 June 1999.  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-31 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are allowed.  6) Claim(s) is/are rejected.  7) Claim(s) is/are subjected to.  8) Claims 1-31 are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are objected to by the Examiner.  Priority under 35 U.S.C. \$ 119  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. \$ 119(a)-(d).  a) All b) Some * O: None of the CERTIFIED copies of the priority documents have been:  1. received.  2. received in Application No. (Series Code / Serial Number)  3. received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detail	Office Action Summary	Application No.	Applicant(s)	
Examiner   Ant Unit   Alonzo Chambiliss   2814		09/335,618	Joseph M. Brand	
Period for Reply  A SHORTENDE STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136 (s). In no event, however, may a reply be timely filled are started St. (s) MONTHS from the mailing date of this communication.  be considered finally be considered to the provisions of 37 CFR 1.136 (s). In no event, however, may a reply be timely filled above, the mailing date of this communication.  be considered finally as specified above, the mailing date of this communication for reply is specified above, the mailing date of this communication.  Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Status  1) Same Responsive to communication(s) filled on 18 June 1999.  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-31 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5 Claim(s) is/are allowed.  6 Claim(s) is/are objected to.  8) Claim(s) is/are objected to.  8) Claim(s) is/are objected to.  9) The specification is objected to by the Examiner.  10) The drawing(s) filled on is/are objected to by the Examiner.  11) The proposed drawing correction filed on is: a) approved b) disapproved.  12) The orath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. § 119  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. \$ 119(a)-(d).  a) All b) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. & 119(e).  *See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. &		Examiner	Art Unit	
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16) Notice of Draftsperson's Patent Drawing Review (PTO-948)  19) Notice of Informal Patent Application (PTO-152)  17) Information Disclosure Statement(s) (PTO-1449) Paper No(s)  20) Other:	16) Dotice of Draftsperson's Patent Drawing Review (PTO-948)	19) 🔲 Notice of Informa		



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## **DETAILED ACTION**

## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-29 drawn to product, classified in class 257, subclass 678+.
  - II. Claims 30 and 31, drawn to process, classified in class 438, subclass 106+.
- 3. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper. In the instant case, the process as claimed can be used to make other and materially different product. such as a product without having the encapsulant positioned to mechanically couple the semiconductor die to the printed circuit board.

Because these inventions are distinct for the reasons given above and acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the

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application. Any amendment of inventorship must be accompanied by a petition under 37

CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

3. Any inquiry concerning the communication or earlier communications from the examiner should be directed to Alonzo Chambliss whose telephone number is (703) 306-9143. The fax phone number for this Group is (703) 308-7722 or 7724.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-7956.

Olik Chaudhuri Supervisory Patent Examiner Technology Center 2800

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